

Table 2. Sensitivity and subgroup analyses – Association between NAFLD and the risk of colorectal adenomas and cancer in the eligible cross-sectional and longitudinal studies stratified by levels of Newcastle-Ottawa quality assessment scale (NOS), levels of body mass index, study country, and other study characteristics.

	Colorectal adenomas	Colorectal cancer
NOS level (for cross-sectional studies)		
NOS >8	Random-effects OR 1.16 (95% CI 0.94-1.44), I ² = 58.3% Number of studies: 3 N= 8,918	Random-effects OR 1.58 (95% CI 1.21-2.06), I ² = 64.1% Number of studies: 4 N= 72,933
NOS ≤8	Random-effects OR 1.41 (95% CI 1.16-1.71), I ² = 87.1% Number of studies: 5 N= 74,144	Random-effects OR 1.87 (95% CI 1.36-2.51) Number of studies: 1 N= 2,315
BMI category (for cross-sectional studies)		
BMI ≥24 kg/m ²	Random-effects OR 1.29 (95% CI 1.13-1.47), I ² = 78.6% Number of studies: 6 N= 78,954	Random-effects OR 1.45 (95% CI 1.11-1.89), I ² = 65.5% Number of studies: 3 N= 71,140
BMI <24 kg/m ²	Random-effects OR 1.33 (95% CI 0.55-3.25), I ² = 91.9% Number of studies: 2 N= 4,108	Random-effects OR 1.96 (95% CI 1.51-1.54), I ² = 0% Number of studies: 2 N= 4,108
BMI category (for longitudinal studies)		
BMI ≥24 kg/m ²	Random-effects HR 1.37 (95% CI 1.12-1.67), I ² = 0% Number of studies: 2 N= 2,545	Not applicable
BMI <24 kg/m ²	Random-effects HR 1.94 (95% CI 1.11-3.39) Number of studies: 1 N= 5,517	Random-effects HR 3.08 (95% CI 1.02-9.32) Number of studies: 1 N= 5,517
Study country (for cross-sectional studies)		
South Korea	Random-effects OR 1.24 (95% CI 1.04-1.50), I ² = 90.4% Number of studies: 3 N= 73,677	Random-effects OR 1.94 (95% CI 1.11-3.39), I ² = 60.6% Number of studies: 2 N= 70,760
China and Taiwan	Random-effects OR 1.94 (95% CI 1.11-3.39), I ² = 76.8% Number of studies: 4 N= 8,174	Random-effects OR 2.03 (95% CI 1.59-2.61), I ² = 0% Number of studies: 3 N= 4,488
Austria	Random-effects OR 1.47 (95% CI 1.08-2.00) Number of studies: 1 N= 1,211	Not applicable
Study country (for longitudinal studies)		
South Korea	Random-effects HR 1.47 (95% CI 1.04-2.09), I ² = 35.4% Number of studies: 2 N= 6,540	Random-effects HR 3.08 (95% CI 1.02-9.32) Number of studies: 1 N= 5,517
Taiwan	Random-effect HR 1.45 (95% CI 1.07-1.97) Number of studies: 1 N= 1,522	Not applicable
Other characteristics (number of colonic adenomas)		
Multiple adenomas (3 or more) (cross-sectional studies)	Random-effects OR 1.82 (95% CI 1.29-2.55) Number of studies: 1 N= 3,686	Not applicable

Multiple adenomas (3 or more) (longitudinal studies)	Random-effects HR 2.49 (95% CI 1.20-5.20) Number of studies: 1 N= 1,023	Not applicable
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Abbreviations: BMI, body mass index; CI, confidence interval; HR, hazard ratio; MR, magnetic resonance; ND, not determined; NOS, Newcastle-Ottawa quality assessment scale; OR, odds ratio.

Note: Subgroup analyses by NOS level were not performed for longitudinal studies, because all these studies received six stars at the NOS.